

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081522\
 Data File : BF129795.D
 Acq On : 15 Aug 2022 22:53
 Operator : CG\JU
 Sample : N4205-07
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-7

Quant Time: Aug 16 03:19:36 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 15 02:28:31 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

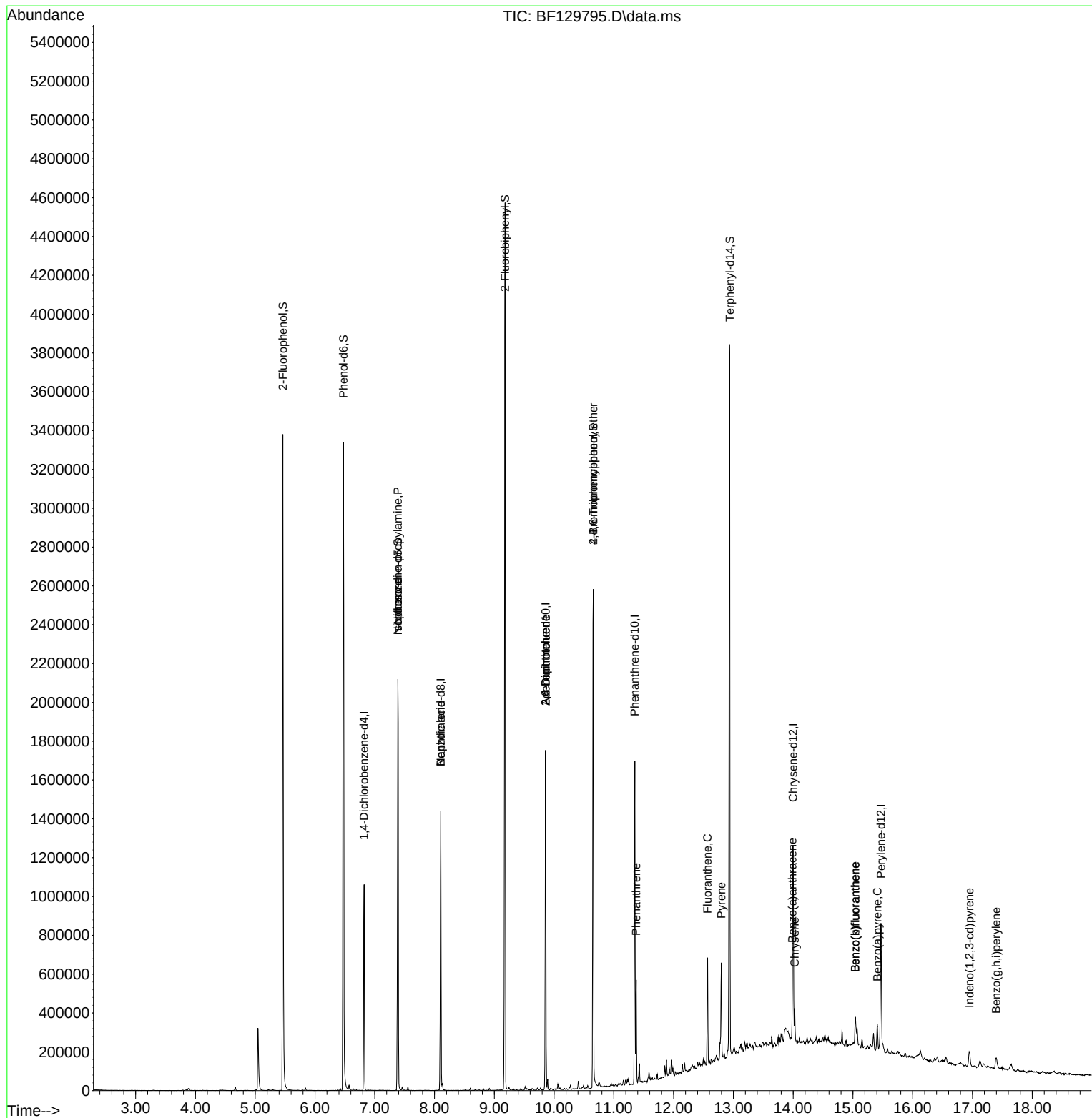
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	154786	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	642233	20.000	ng	0.00
39) Acenaphthene-d10	9.857	164	340943	20.000	ng	0.00
64) Phenanthrene-d10	11.351	188	566160	20.000	ng	0.00
76) Chrysene-d12	13.998	240	309332	20.000	ng	0.00
86) Perylene-d12	15.468	264	284477	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	898841	96.146	ng	0.00
7) Phenol-d6	6.475	99	1160031	99.087	ng	0.00
23) Nitrobenzene-d5	7.387	82	748684	62.405	ng	-0.01
42) 2,4,6-Tribromophenol	10.657	330	317808	92.875	ng	0.00
45) 2-Fluorobiphenyl	9.181	172	1439963	64.146	ng	0.00
79) Terphenyl-d14	12.939	244	1328216	71.446	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.375	77	58	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.387	70	100269	13.550	ng	# 79
25) Isophorone	7.387	82	748675	36.257	ng	# 65
32) Benzoic acid	8.104	122	172	2.208	ng	# 1
51) 2,6-Dinitrotoluene	9.857	165	44801	8.450	ng	# 23
57) 2,4-Dinitrotoluene	9.857	165	44801	6.509	ng	# 18
67) 4-Bromophenyl-phenylether	10.657	248	19798	2.986	ng	# 1
71) Phenanthrene	11.375	178	179986	5.692	ng	99
75) Fluoranthene	12.569	202	224753	6.946	ng	99
77) Benzidine	12.933	184	18850	Below Cal	#	90
78) Pyrene	12.798	202	191160	7.111	ng	100
81) Benzo(a)anthracene	13.986	228	75913	3.567	ng	99
83) Chrysene	14.027	228	66500	3.339	ng	93
87) Indeno(1,2,3-cd)pyrene	16.951	276	42974	2.200	ng	97
88) Benzo(b)fluoranthene	15.039	252	106148	5.449	ng	# 93
89) Benzo(k)fluoranthene	15.039	252	106148	5.682	ng	# 92
90) Benzo(a)pyrene	15.410	252	57901	3.774	ng	# 93
92) Benzo(g,h,i)perylene	17.398	276	43711	2.719	ng	# 94

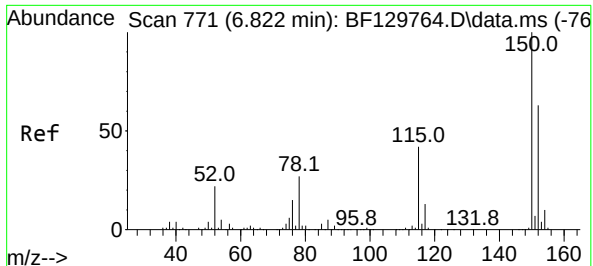
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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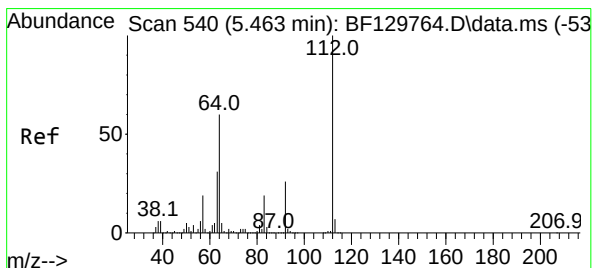
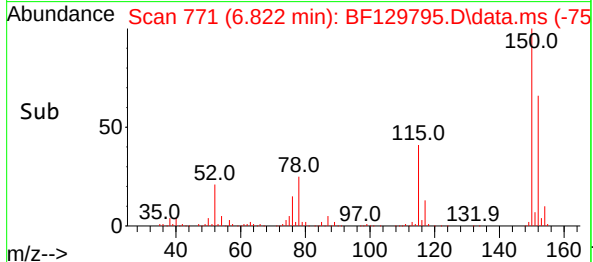
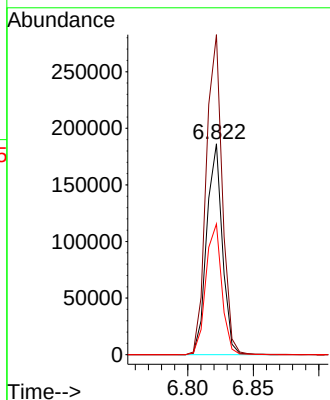
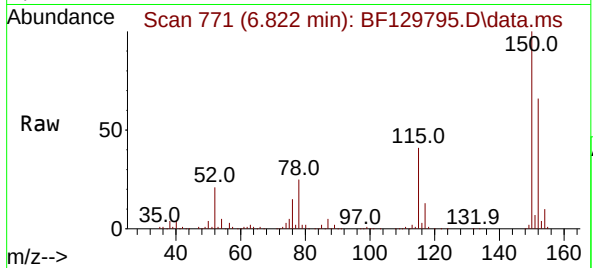




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 771
Delta R.T. -0.000 min
Lab File: BF129795.D
Acq: 15 Aug 2022 22:53

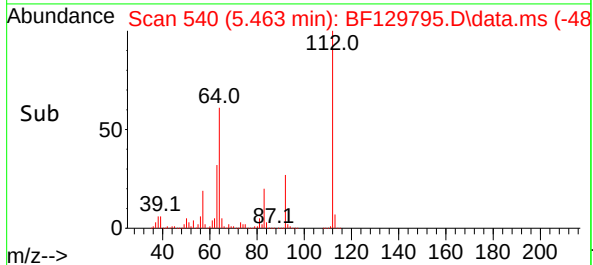
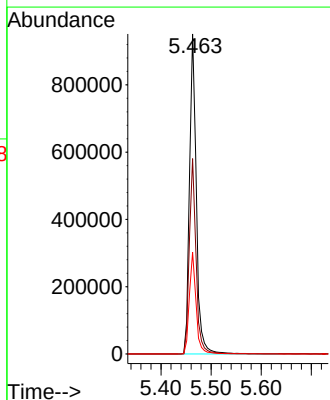
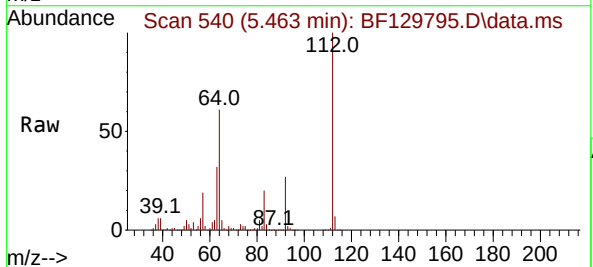
Instrument :
BNA_F
ClientSampleId :
SS-7

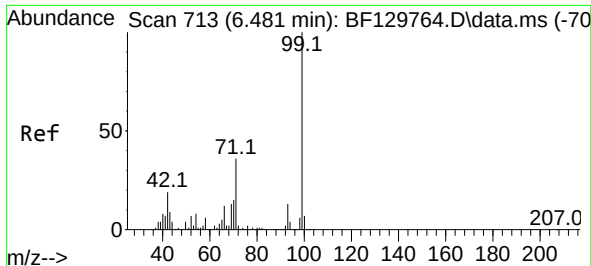
Tgt Ion:152 Resp: 154786
Ion Ratio Lower Upper
152 100
150 151.8 126.9 190.3
115 62.0 53.4 80.0



#5
2-Fluorophenol
Concen: 96.146 ng
RT: 5.463 min Scan# 540
Delta R.T. -0.000 min
Lab File: BF129795.D
Acq: 15 Aug 2022 22:53

Tgt Ion:112 Resp: 898841
Ion Ratio Lower Upper
112 100
64 61.1 47.6 71.4
63 31.8 24.6 37.0

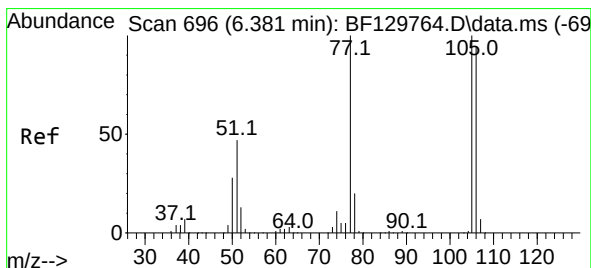
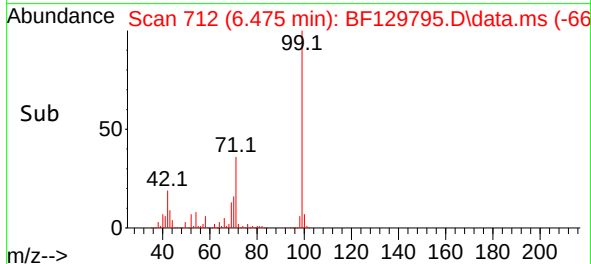
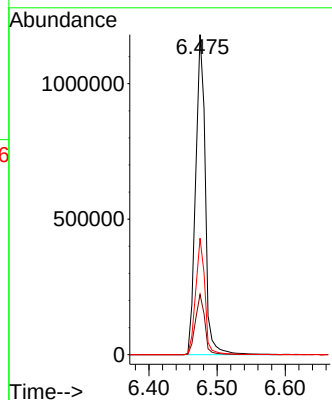
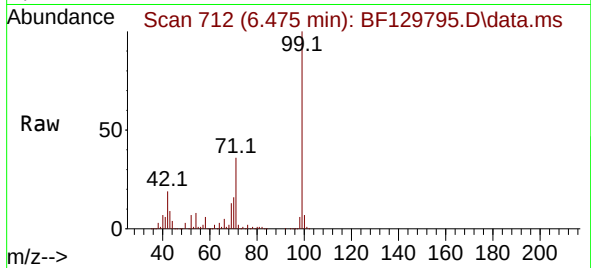




#7
Phenol-d6
Concen: 99.087 ng
RT: 6.475 min Scan# 713
Delta R.T. -0.006 min
Lab File: BF129795.D
Acq: 15 Aug 2022 22:53

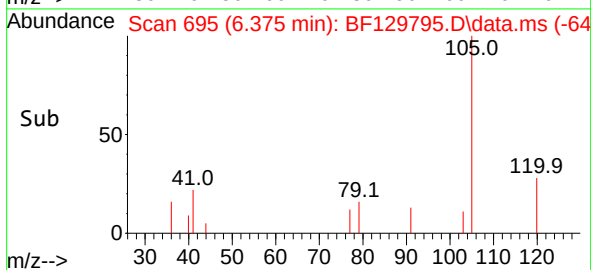
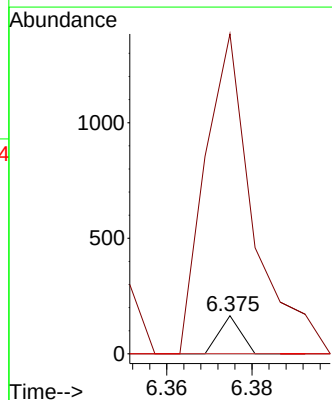
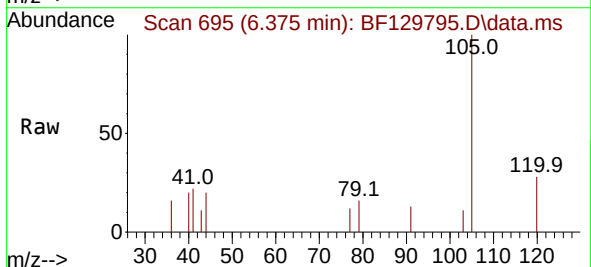
Instrument :
BNA_F
ClientSampleId :
SS-7

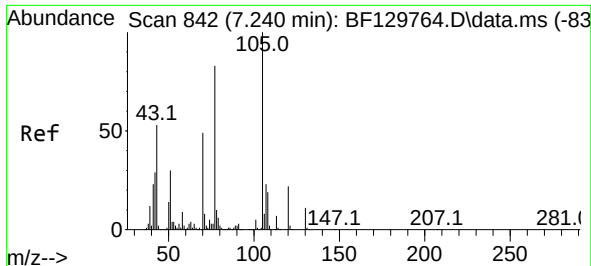
Tgt Ion: 99 Resp: 1160031
Ion Ratio Lower Upper
99 100
42 18.9 15.0 22.4
71 36.4 28.8 43.2



#9
Benzaldehyde
Concen: Below Cal
RT: 6.375 min Scan# 695
Delta R.T. -0.006 min
Lab File: BF129795.D
Acq: 15 Aug 2022 22:53

Tgt Ion: 77 Resp: 58
Ion Ratio Lower Upper
77 100
105 838.8 80.3 120.3#
106 0.0 74.3 114.3#

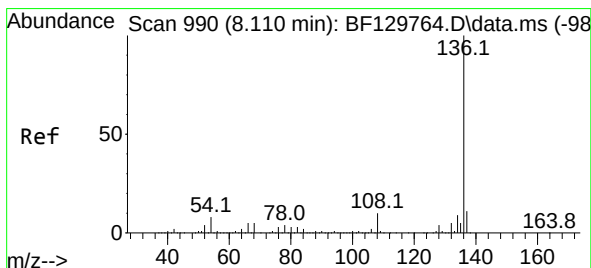
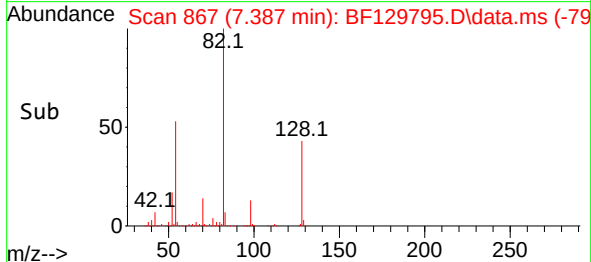
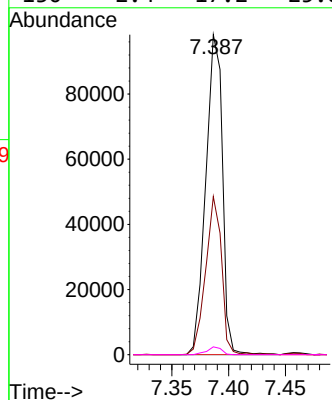
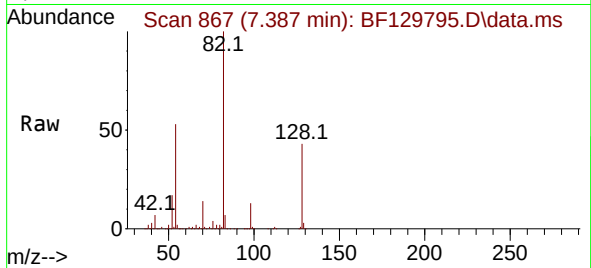




#19
n-Nitroso-di-n-propylamine
Concen: 13.550 ng
RT: 7.387 min Scan# 80
Delta R.T. 0.147 min
Lab File: BF129795.D
Acq: 15 Aug 2022 22:53

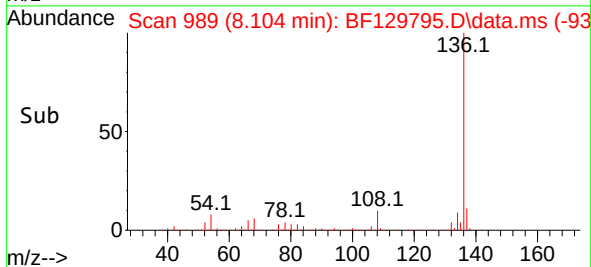
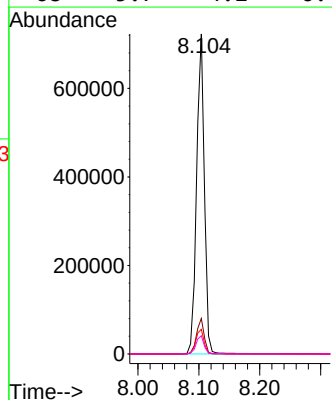
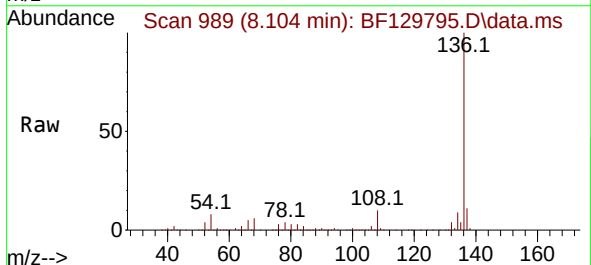
Instrument :
BNA_F
ClientSampleId :
SS-7

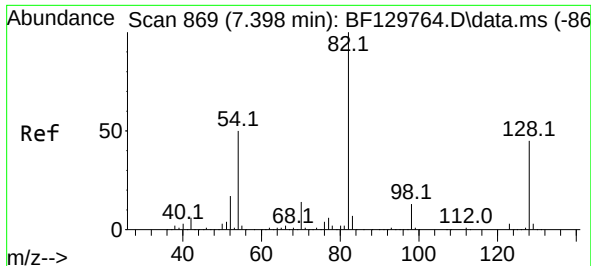
Tgt Ion: 70 Resp: 100269
Ion Ratio Lower Upper
70 100
42 49.4 47.6 71.4
101 0.0 8.1 12.1#
130 2.4 17.2 25.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 989
Delta R.T. -0.006 min
Lab File: BF129795.D
Acq: 15 Aug 2022 22:53

Tgt Ion: 136 Resp: 642233
Ion Ratio Lower Upper
136 100
137 11.1 8.4 12.6
54 7.7 6.2 9.2
68 5.7 4.2 6.4





#23

Nitrobenzene-d5

Concen: 62.405 ng

RT: 7.387 min Scan# 867

Delta R.T. -0.012 min

Lab File: BF129795.D

Acq: 15 Aug 2022 22:53

Instrument :

BNA_F

ClientSampleId :

SS-7

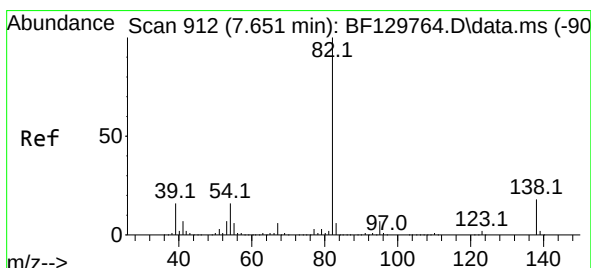
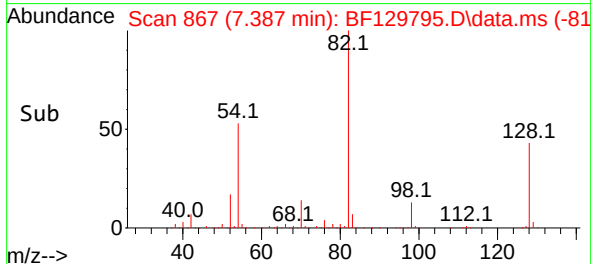
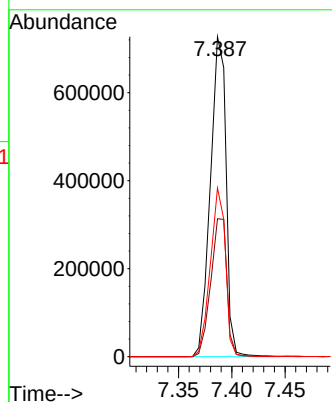
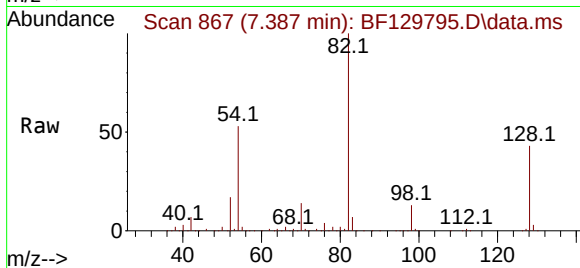
Tgt Ion: 82 Resp: 748684

Ion Ratio Lower Upper

82 100

128 43.1 36.1 54.1

54 52.7 40.0 60.0



#25

Isophorone

Concen: 36.257 ng

RT: 7.387 min Scan# 867

Delta R.T. -0.265 min

Lab File: BF129795.D

Acq: 15 Aug 2022 22:53

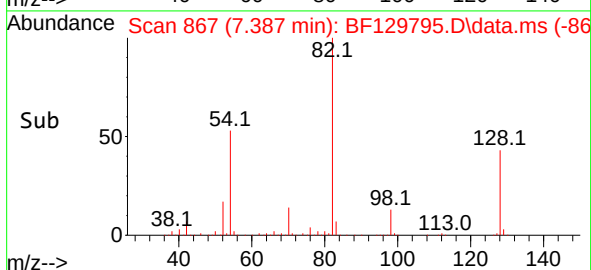
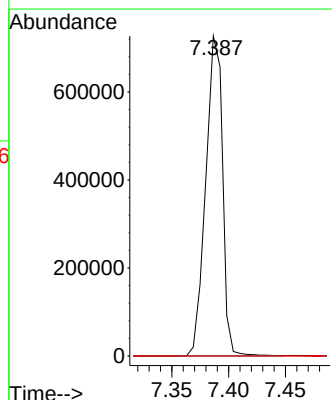
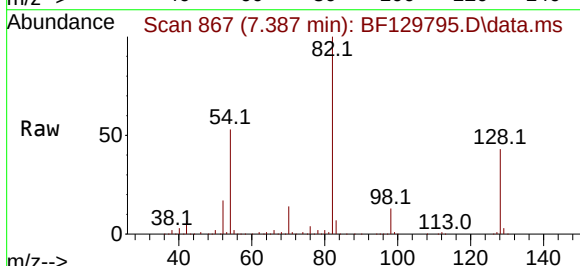
Tgt Ion: 82 Resp: 748675

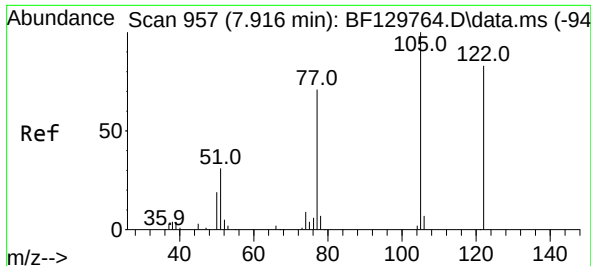
Ion Ratio Lower Upper

82 100

95 0.0 5.9 8.9#

138 0.0 14.6 21.8#

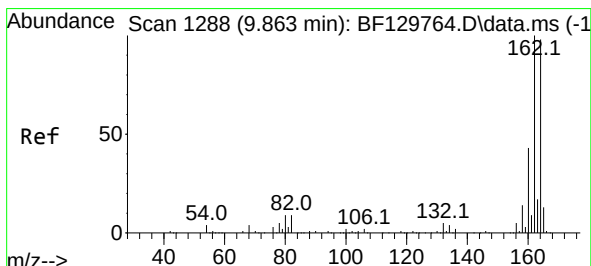
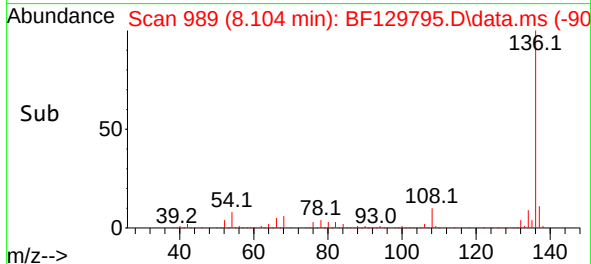
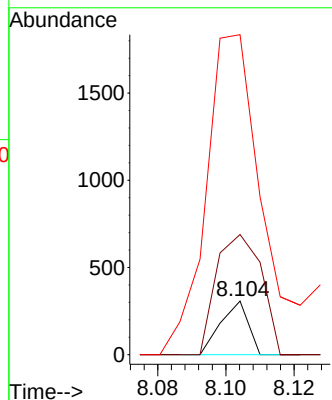
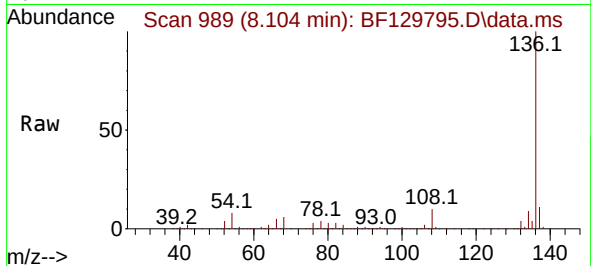




#32
Benzoic acid
Concen: 2.208 ng
RT: 8.104 min Scan# 91
Delta R.T. 0.188 min
Lab File: BF129795.D
Acq: 15 Aug 2022 22:53

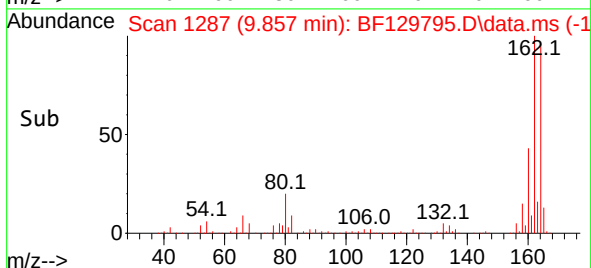
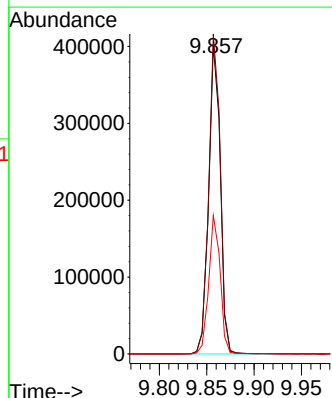
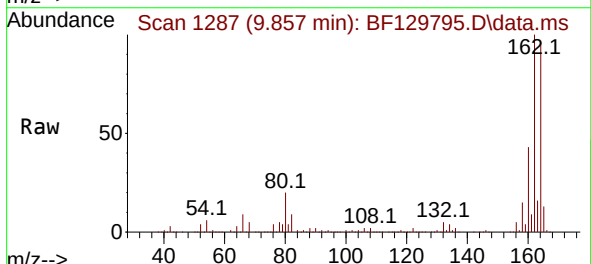
Instrument :
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SS-7

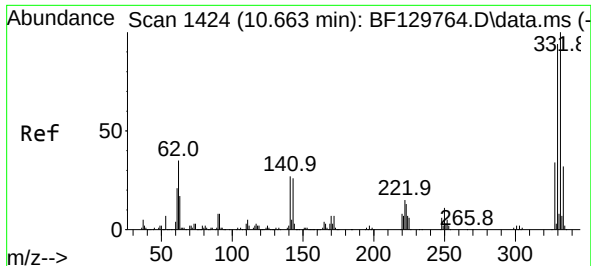
Tgt Ion:122 Resp: 172
Ion Ratio Lower Upper
122 100
105 224.4 99.9 139.9#
77 597.7 65.9 105.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1287
Delta R.T. -0.006 min
Lab File: BF129795.D
Acq: 15 Aug 2022 22:53

Tgt Ion:164 Resp: 340943
Ion Ratio Lower Upper
164 100
162 103.7 82.0 123.0
160 44.9 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 92.875 ng

RT: 10.657 min Scan# 1423

Delta R.T. -0.006 min

Lab File: BF129795.D

Acq: 15 Aug 2022 22:53

Instrument :

BNA_F

ClientSampleId :

SS-7

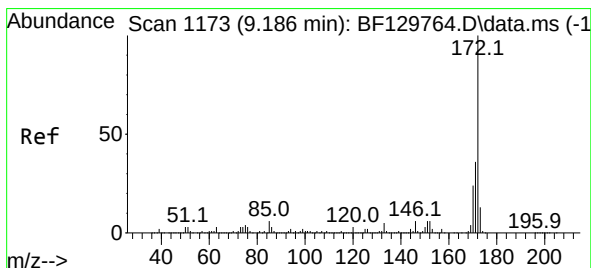
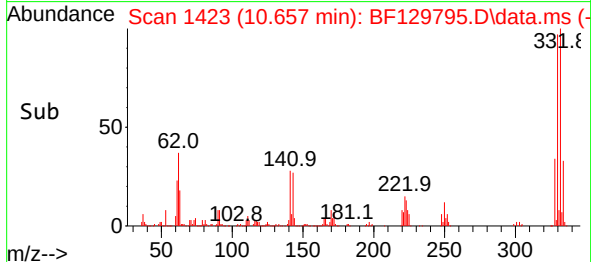
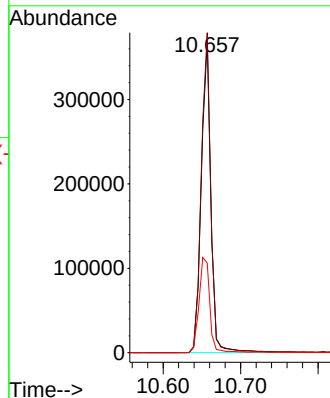
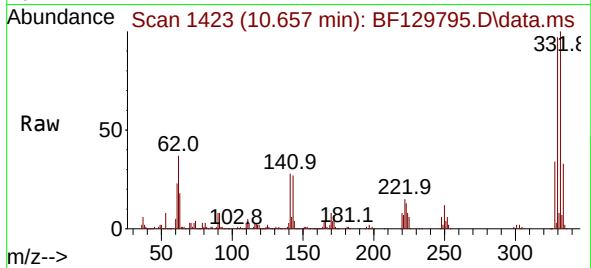
Tgt Ion:330 Resp: 317808

Ion Ratio Lower Upper

330 100

332 103.2 82.6 124.0

141 34.4 27.6 41.4



#45

2-Fluorobiphenyl

Concen: 64.146 ng

RT: 9.181 min Scan# 1172

Delta R.T. -0.006 min

Lab File: BF129795.D

Acq: 15 Aug 2022 22:53

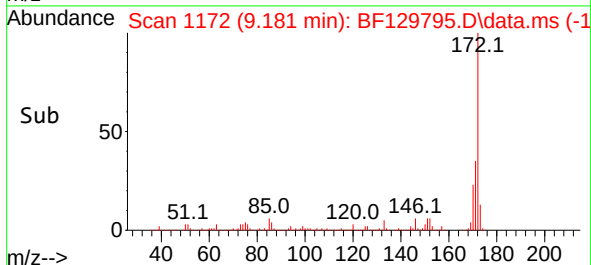
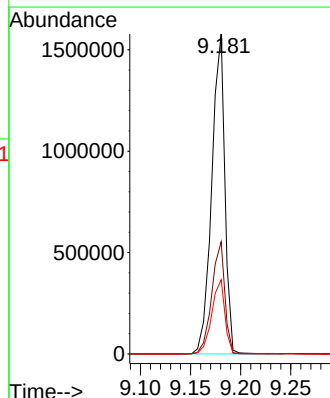
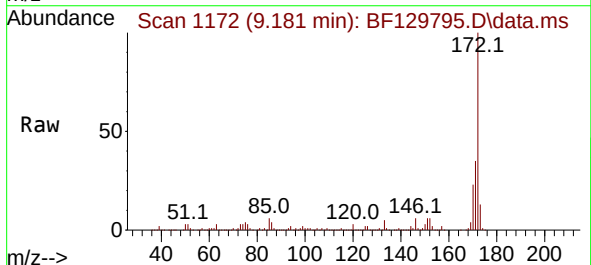
Tgt Ion:172 Resp: 1439963

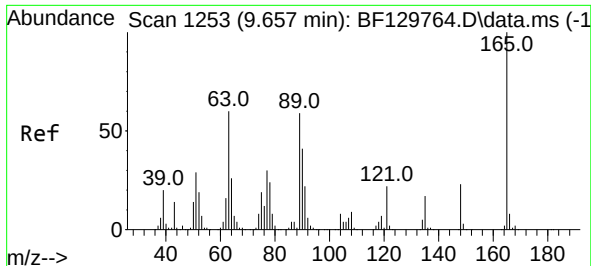
Ion Ratio Lower Upper

172 100

171 35.0 28.4 42.6

170 23.2 19.1 28.7

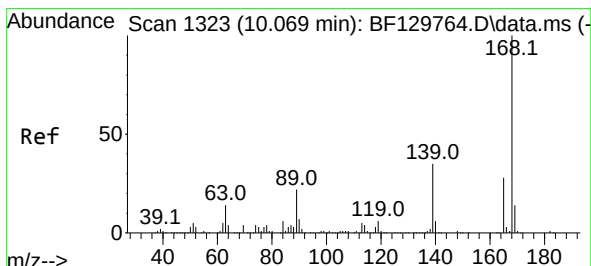
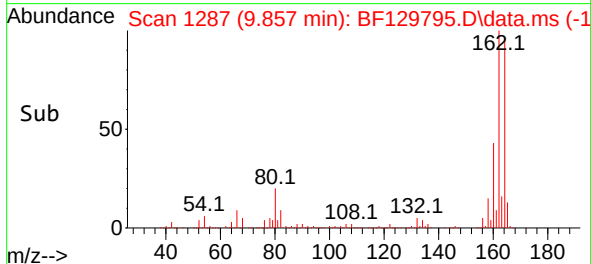
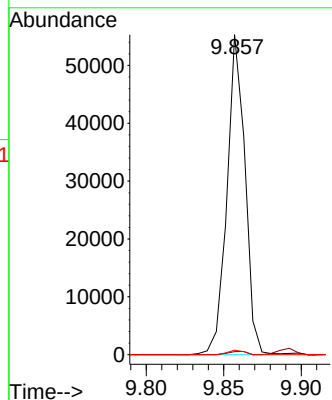
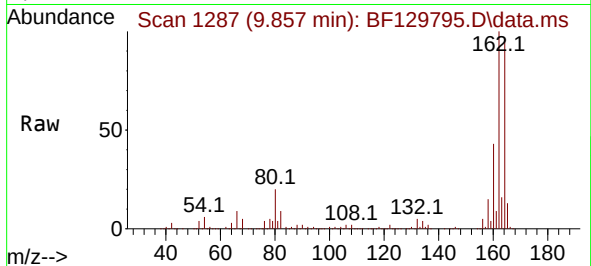




#51
2,6-Dinitrotoluene
Concen: 8.450 ng
RT: 9.857 min Scan# 11
Delta R.T. 0.200 min
Lab File: BF129795.D
Acq: 15 Aug 2022 22:53

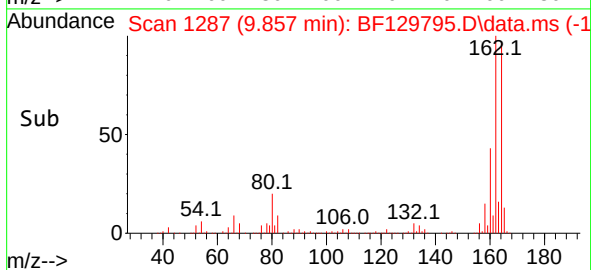
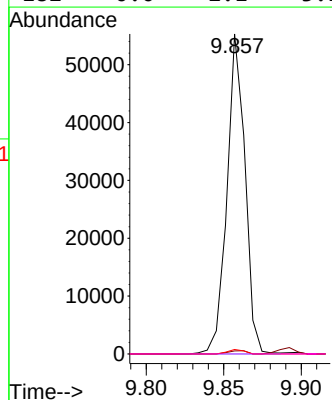
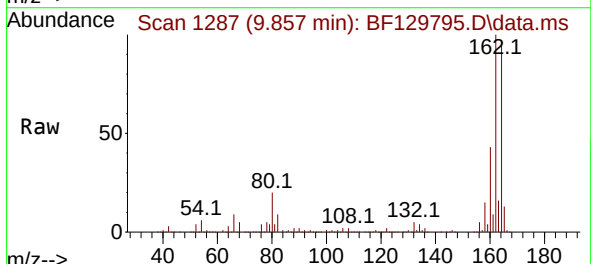
Instrument :
BNA_F
ClientSampleId :
SS-7

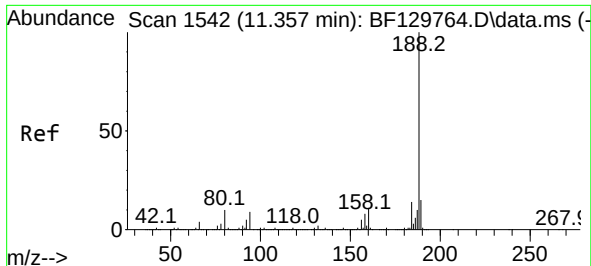
Tgt Ion:165 Resp: 44801
Ion Ratio Lower Upper
165 100
63 0.9 47.8 71.8#
89 1.4 47.2 70.8#



#57
2,4-Dinitrotoluene
Concen: 6.509 ng
RT: 9.857 min Scan# 1287
Delta R.T. -0.212 min
Lab File: BF129795.D
Acq: 15 Aug 2022 22:53

Tgt Ion:165 Resp: 44801
Ion Ratio Lower Upper
165 100
63 0.9 48.4 72.6#
89 1.4 62.3 93.5#
182 0.0 2.1 3.1#

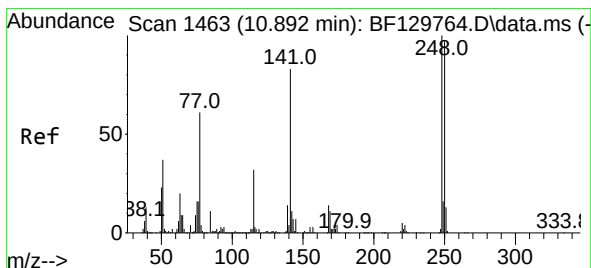
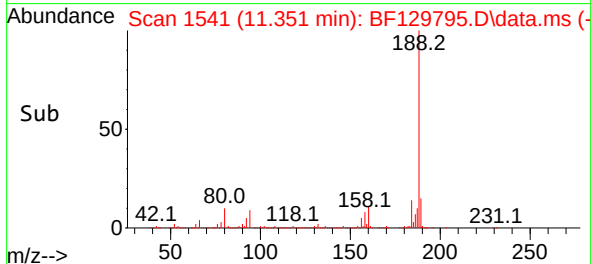
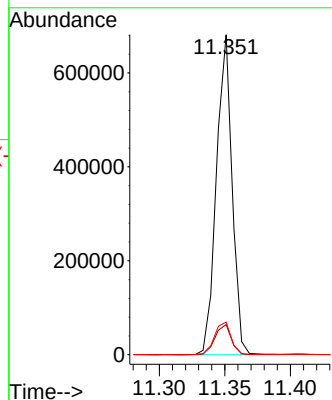
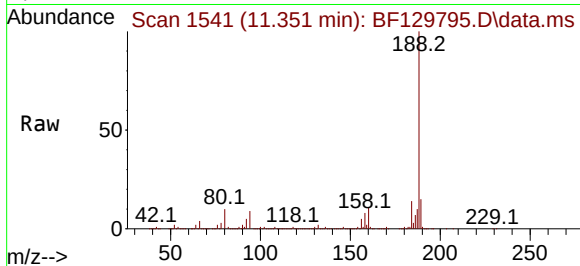




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.351 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF129795.D
Acq: 15 Aug 2022 22:53

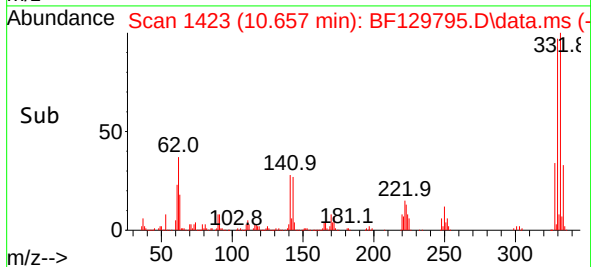
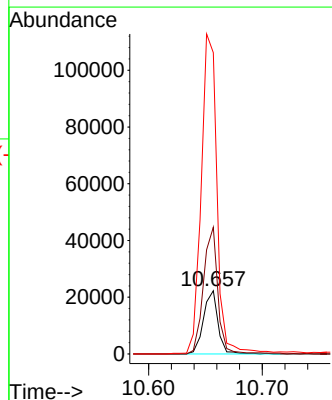
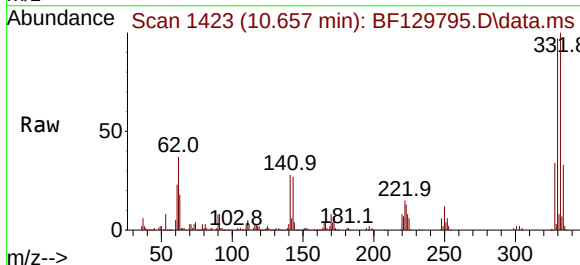
Instrument :
BNA_F
ClientSampleId :
SS-7

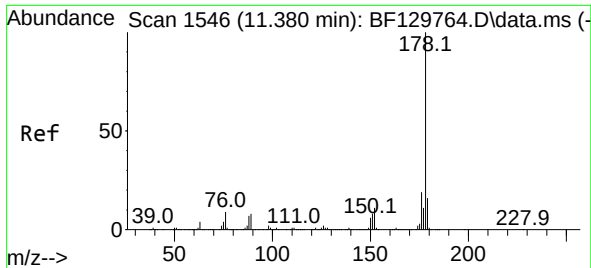
Tgt Ion:188 Resp: 566160
Ion Ratio Lower Upper
188 100
94 9.4 7.4 11.2
80 10.2 7.9 11.9



#67
4-Bromophenyl-phenylether
Concen: 2.986 ng
RT: 10.657 min Scan# 1423
Delta R.T. -0.235 min
Lab File: BF129795.D
Acq: 15 Aug 2022 22:53

Tgt Ion:248 Resp: 19798
Ion Ratio Lower Upper
248 100
250 200.4 77.8 116.6#
141 476.6 66.2 99.2#

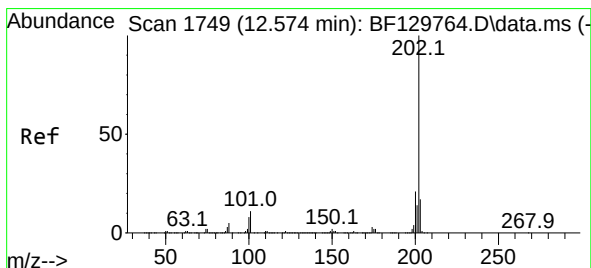
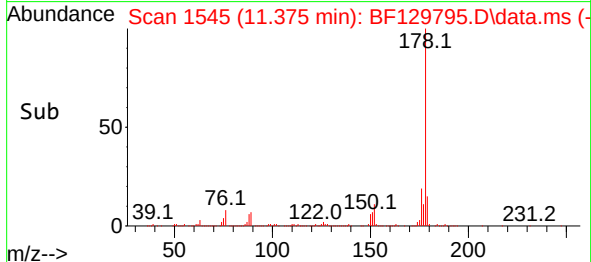
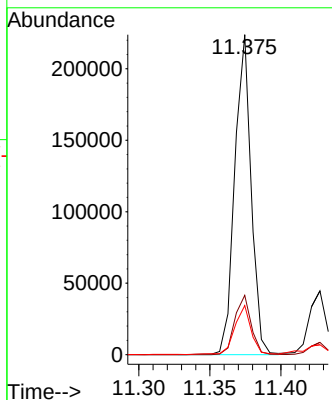
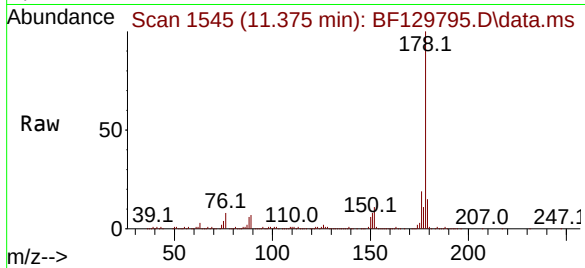




#71
Phenanthrene
Concen: 5.692 ng
RT: 11.375 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF129795.D
Acq: 15 Aug 2022 22:53

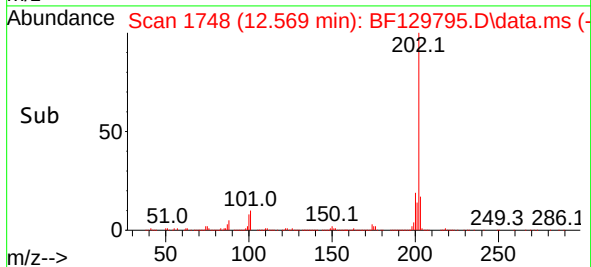
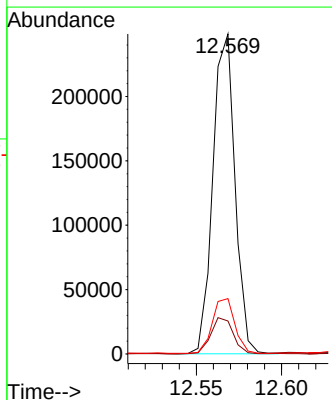
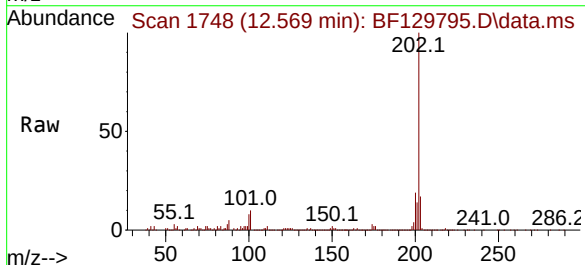
Instrument :
BNA_F
ClientSampleId :
SS-7

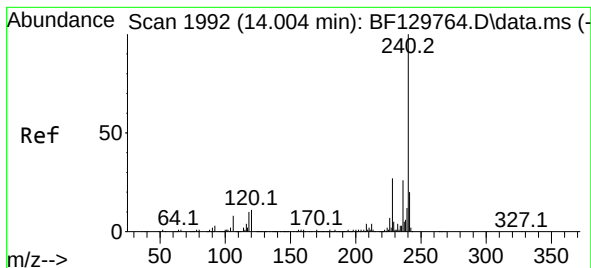
Tgt Ion:178 Resp: 179986
Ion Ratio Lower Upper
178 100
176 18.5 15.5 23.3
179 15.3 12.5 18.7



#75
Fluoranthene
Concen: 6.946 ng
RT: 12.569 min Scan# 1748
Delta R.T. -0.006 min
Lab File: BF129795.D
Acq: 15 Aug 2022 22:53

Tgt Ion:202 Resp: 224753
Ion Ratio Lower Upper
202 100
101 10.3 0.0 30.7
203 17.3 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.998 min Scan# 1810

Delta R.T. -0.006 min

Lab File: BF129795.D

Acq: 15 Aug 2022 22:53

Instrument :

BNA_F

ClientSampleId :

SS-7

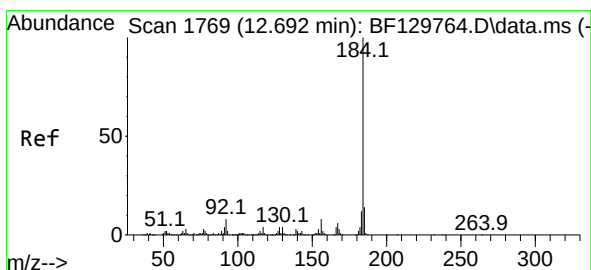
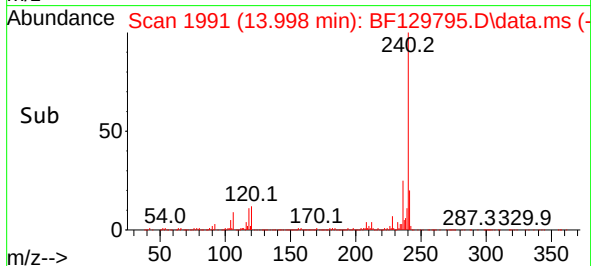
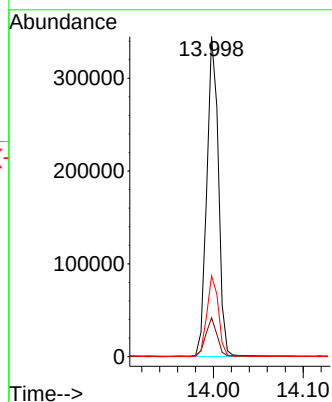
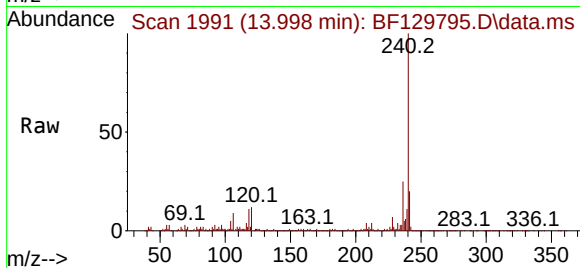
Tgt Ion:240 Resp: 309332

Ion Ratio Lower Upper

240 100

120 12.1 9.2 13.8

236 25.3 20.7 31.1



#77

Benzidine

Concen: Below Cal

RT: 12.933 min Scan# 1810

Delta R.T. 0.241 min

Lab File: BF129795.D

Acq: 15 Aug 2022 22:53

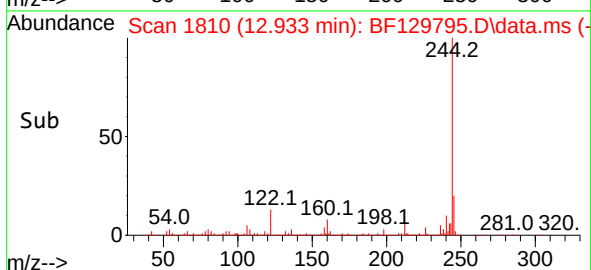
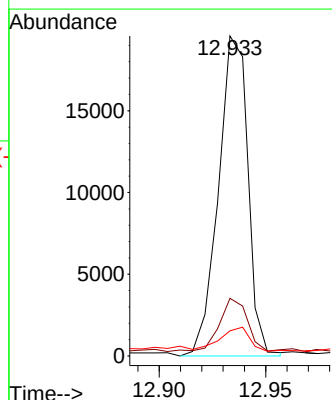
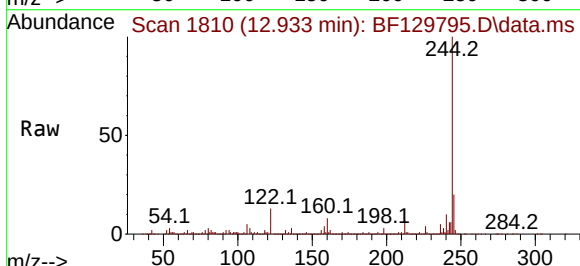
Tgt Ion:184 Resp: 18850

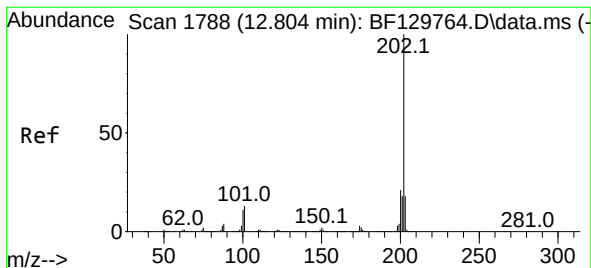
Ion Ratio Lower Upper

184 100

185 18.0 11.4 17.2#

183 7.9 9.4 14.2#





#78

Pyrene

Concen: 7.111 ng

RT: 12.798 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF129795.D

Acq: 15 Aug 2022 22:53

Instrument :

BNA_F

ClientSampleId :

SS-7

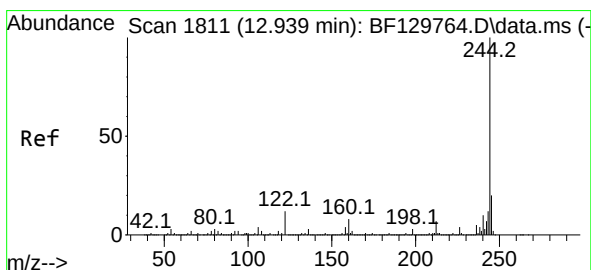
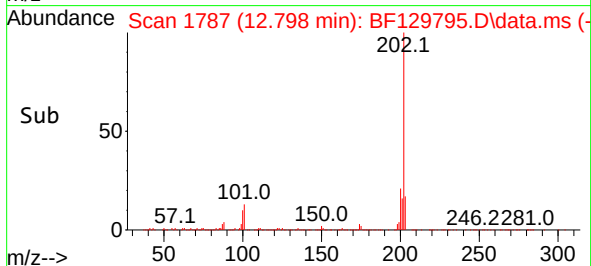
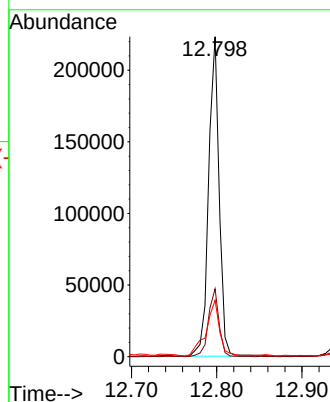
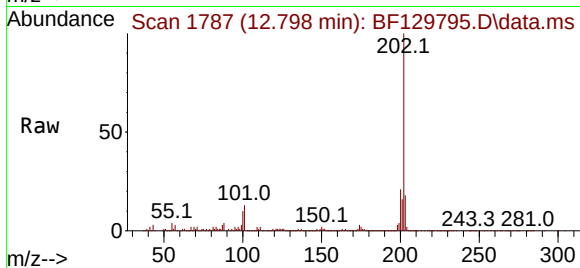
Tgt Ion:202 Resp: 191160

Ion Ratio Lower Upper

202 100

200 21.2 17.0 25.6

203 17.7 14.1 21.1



#79

Terphenyl-d14

Concen: 71.446 ng

RT: 12.939 min Scan# 1811

Delta R.T. -0.000 min

Lab File: BF129795.D

Acq: 15 Aug 2022 22:53

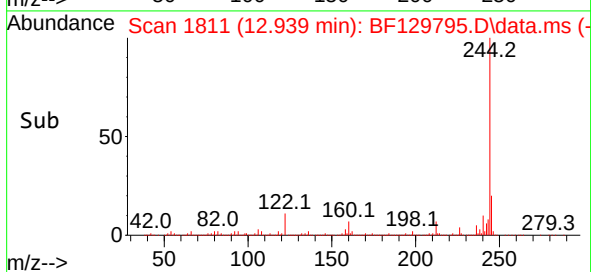
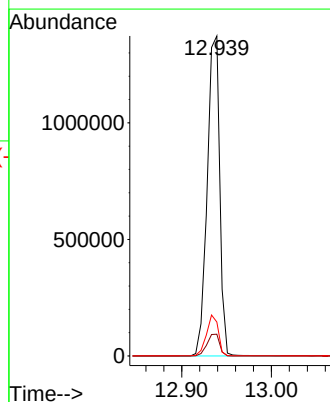
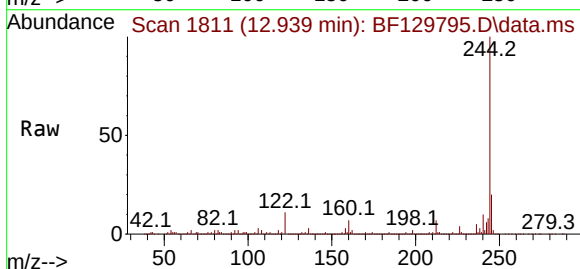
Tgt Ion:244 Resp: 1328216

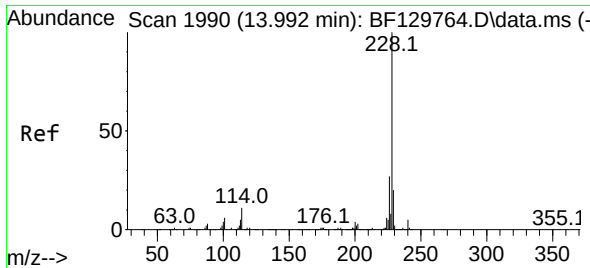
Ion Ratio Lower Upper

244 100

212 6.8 5.9 8.9

122 10.6 9.9 14.9

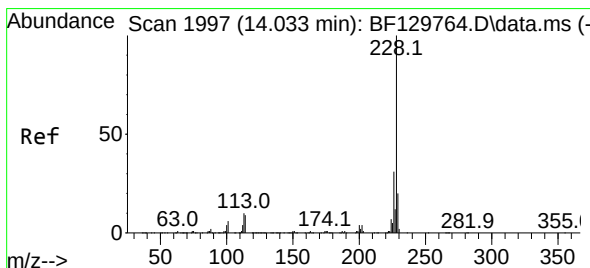
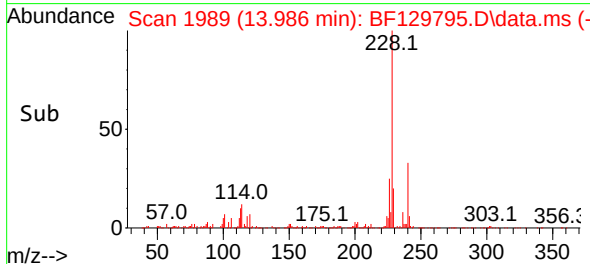
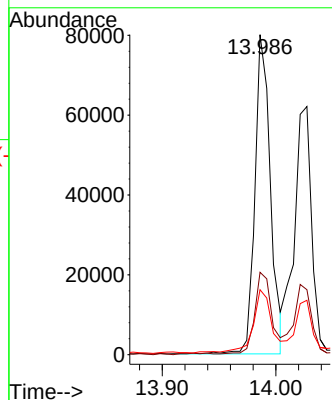
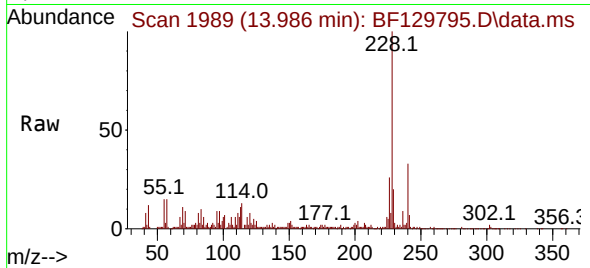




#81
Benzo(a)anthracene
Concen: 3.567 ng
RT: 13.986 min Scan# 1989
Delta R.T. -0.006 min
Lab File: BF129795.D
Acq: 15 Aug 2022 22:53

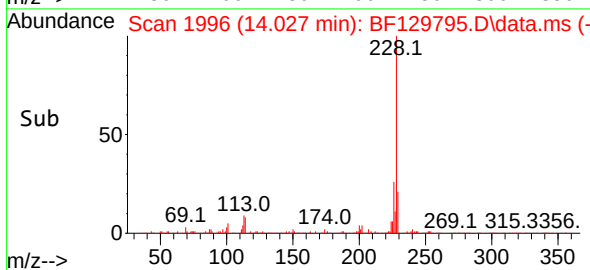
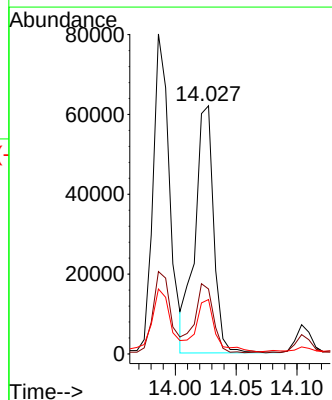
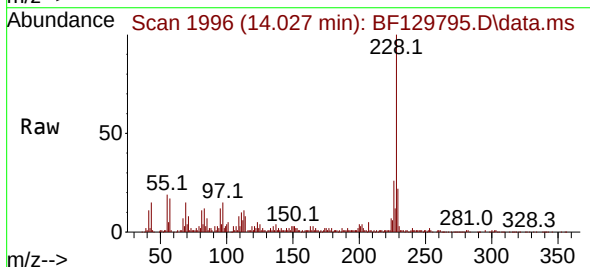
Instrument :
BNA_F
ClientSampleId :
SS-7

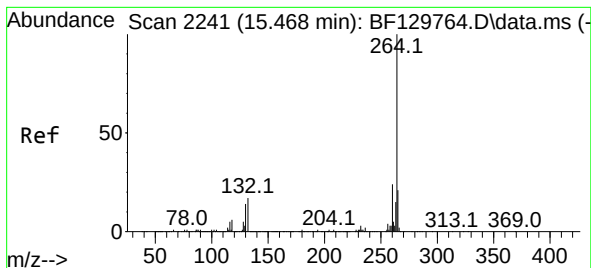
Tgt Ion:228 Resp: 75913
Ion Ratio Lower Upper
228 100
226 25.7 21.4 32.0
229 20.3 16.1 24.1



#83
Chrysene
Concen: 3.339 ng
RT: 14.027 min Scan# 1996
Delta R.T. -0.006 min
Lab File: BF129795.D
Acq: 15 Aug 2022 22:53

Tgt Ion:228 Resp: 66500
Ion Ratio Lower Upper
228 100
226 26.2 24.4 36.6
229 21.9 15.9 23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.468 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF129795.D

Acq: 15 Aug 2022 22:53

Instrument :

BNA_F

ClientSampleId :

SS-7

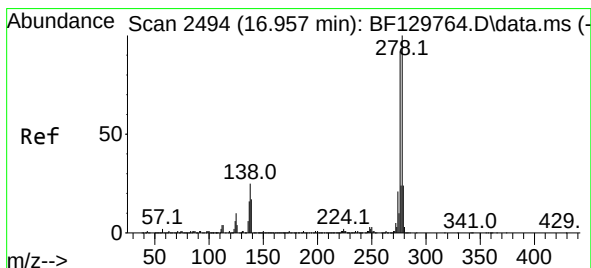
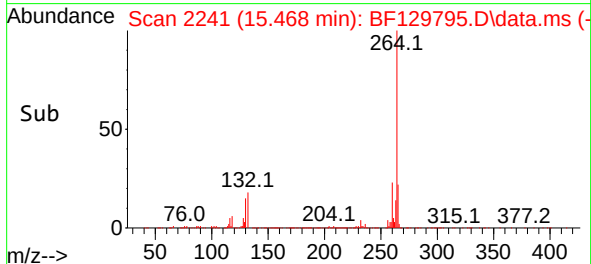
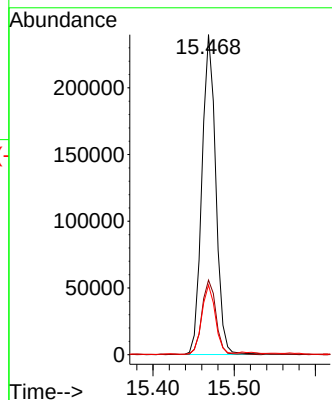
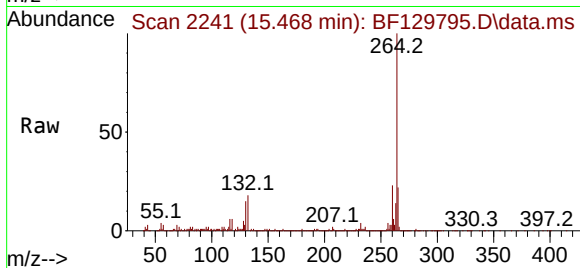
Tgt Ion:264 Resp: 284477

Ion Ratio Lower Upper

264 100

260 23.3 19.1 28.7

265 21.7 16.7 25.1



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.200 ng

RT: 16.951 min Scan# 2493

Delta R.T. -0.006 min

Lab File: BF129795.D

Acq: 15 Aug 2022 22:53

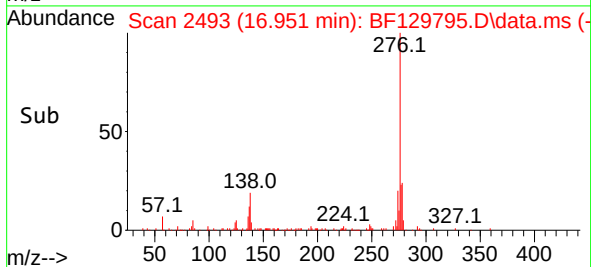
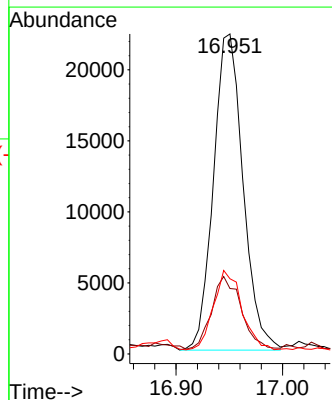
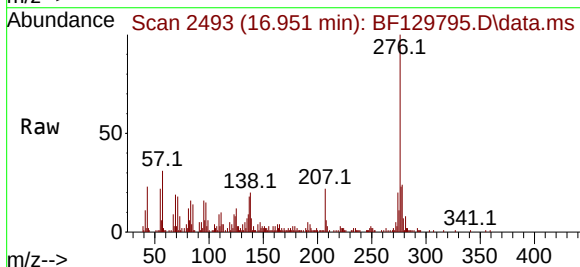
Tgt Ion:276 Resp: 42974

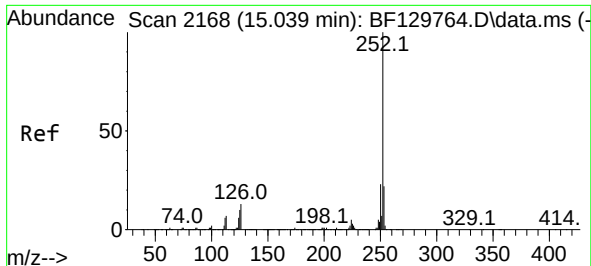
Ion Ratio Lower Upper

276 100

138 22.9 19.8 29.8

277 23.9 20.4 30.6

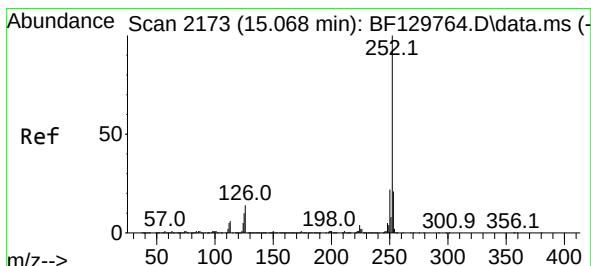
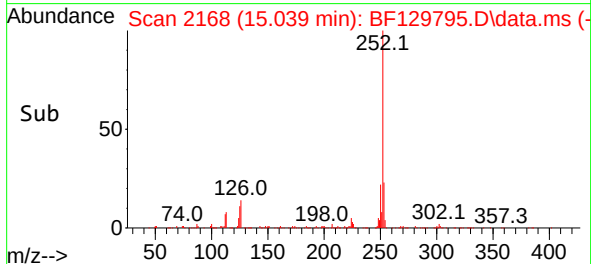
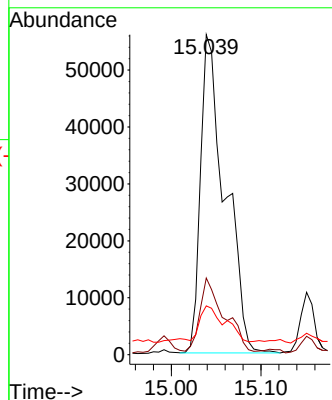
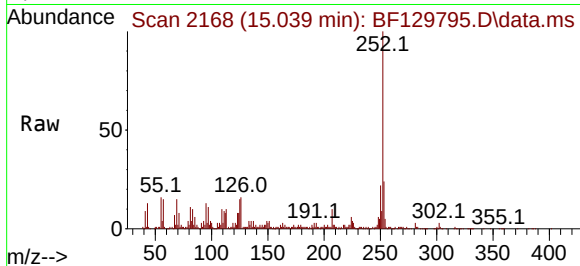




#88
Benzo(b)fluoranthene
Concen: 5.449 ng
RT: 15.039 min Scan# 2168
Delta R.T. -0.000 min
Lab File: BF129795.D
Acq: 15 Aug 2022 22:53

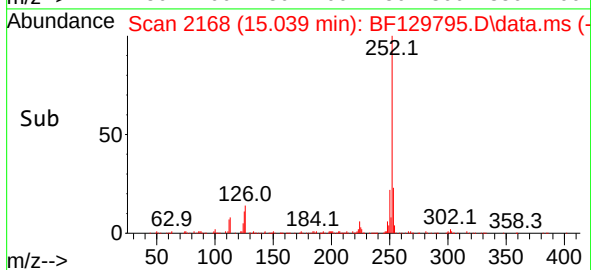
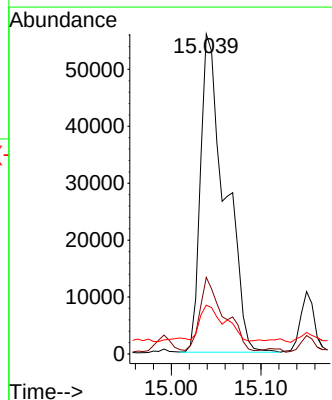
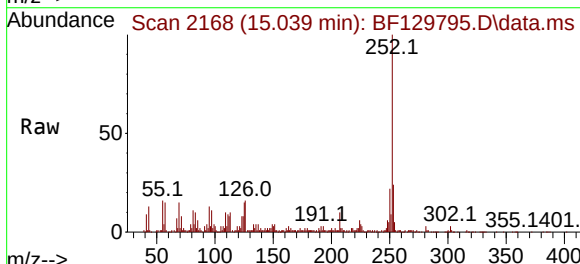
Instrument :
BNA_F
ClientSampleId :
SS-7

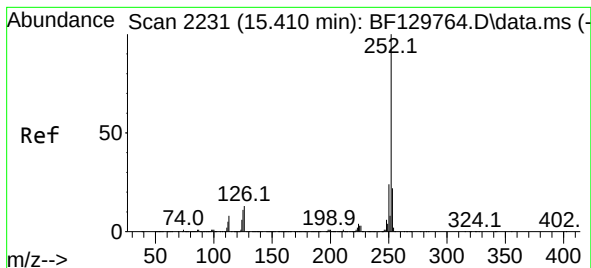
Tgt Ion:252 Resp: 106148
Ion Ratio Lower Upper
252 100
253 24.0 17.5 26.3
125 15.3 8.3 12.5#



#89
Benzo(k)fluoranthene
Concen: 5.682 ng
RT: 15.039 min Scan# 2168
Delta R.T. -0.029 min
Lab File: BF129795.D
Acq: 15 Aug 2022 22:53

Tgt Ion:252 Resp: 106148
Ion Ratio Lower Upper
252 100
253 24.0 17.1 25.7
125 15.3 8.3 12.5#





#90

Benzo(a)pyrene

Concen: 3.774 ng

RT: 15.410 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF129795.D

Acq: 15 Aug 2022 22:53

Instrument :

BNA_F

ClientSampleId :

SS-7

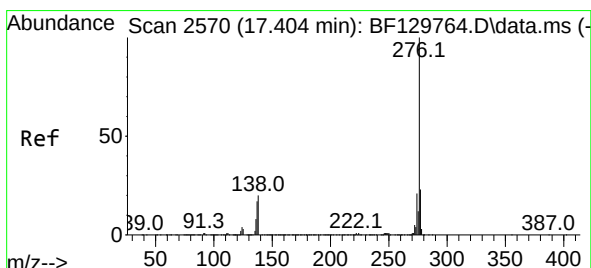
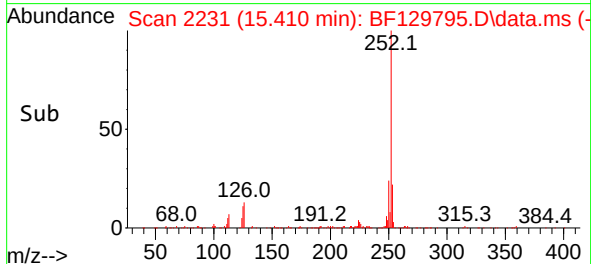
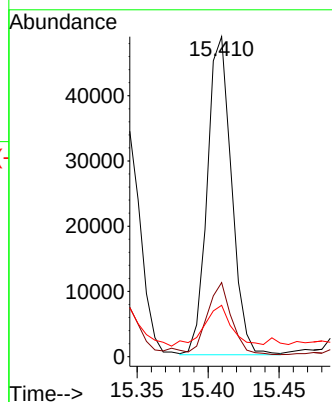
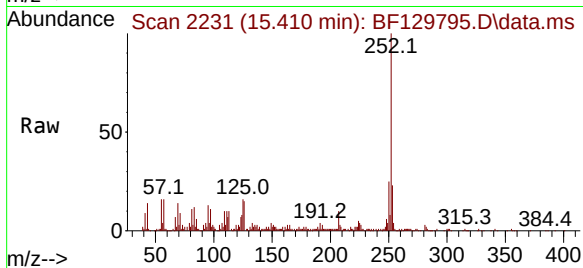
Tgt Ion:252 Resp: 57901

Ion Ratio Lower Upper

252 100

253 23.2 17.2 25.8

125 16.1 8.8 13.2#



#92

Benzo(g,h,i)perylene

Concen: 2.719 ng

RT: 17.398 min Scan# 2569

Delta R.T. -0.006 min

Lab File: BF129795.D

Acq: 15 Aug 2022 22:53

Tgt Ion:276 Resp: 43711

Ion Ratio Lower Upper

276 100

277 22.2 18.2 27.4

138 24.9 15.8 23.8#

